

1. (Original) A foam comprising at least one adhesive material applied in a strip to a surface of the freshly extruded foam, characterized in that the strip of adhesive material is divided into several tracks, a first set of these tracks comprising the adhesive material and a second set of these tracks not comprising adhesive material, in that the tracks comprising the adhesive material and the tracks not comprising adhesive material are disposed alternately on the surface of the foam, and in that the surface in contact with the adhesive material is free from irregularities after the foam has been degassed.

2. (Currently Amended) The foam ~~of claim 1~~ defined in Claim 1, wherein the adhesive material is a self-adhesive hot-melt glue.

3. (Currently Amended) The foam ~~of one of the preceding claims~~ defined in Claim 1, wherein the tracks are continuous or discontinuous.

4. (Currently Amended) The foam ~~of one of the preceding claims~~ defined in Claim 1, wherein the tracks are straight, wavy or zigzag.

5. (Currently Amended) The foam ~~of one of the preceding claims~~ defined in Claim 1, wherein the tracks are parallel.

6. (Currently Amended) The foam ~~of one of the preceding claims~~ defined in Claim 1, wherein the ratio between the surface areas of the tracks comprising the adhesive material and the surface areas of the tracks not comprising adhesive material is situated between 0.2 and 5, preferably between 0.5 and 2.

7. (Currently Amended) The foam ~~of one of the preceding claims~~ defined in Claim 1, wherein the tracks have a width of between 0.5 and 15 mm. preferably between 2 and 8 mm.

8. (Currently Amended) The foam ~~of one of the preceding claims~~ defined in Claim 1, wherein the strip of adhesive material comprises between 3 and 16 tracks.

9. (Currently Amended) The foam ~~of one of the preceding claims~~ defined in Claim 1, wherein the strip of adhesive material is covered with a release paper.

10. (Currently Amended) The foam ~~of one of the preceding claims~~ defined in Claim 1, wherein the foam is a polymer foam selected from the group comprising polyolefins, metallocenes, polystyrenes, copolymers thereof, and mixtures thereof.

11. (Currently Amended) The process for producing a foam, comprising the steps of:

A. [-] producing foam by extrusion,

B. [-] applying, to a surface of the freshly extruded foam, and adhesive material in a strip, the strip of adhesive material being divided into several tracks, a first set of these tracks comprising the adhesive material and a second set of these tracks not comprising adhesive material, the tracks comprising the adhesive material and the tracks not comprising adhesive material being disposed alternately on the surface of the foam.

C. [-] degassing the foam, to give a foam comprising a surface in contact with the adhesive material that is free from irregularities after degassing.

12. (Currently Amended) The process ~~of claim 11~~ defined in Claim 11, wherein the adhesive material is a self-adhesive hot-melt glue, the adhesive material being melted in a melting vessel and pumped through an injection nozzle for laying down the adhesive material in a strip on the freshly extruded foam.

13. (Currently Amended) The process ~~of claim 11~~ defined in Claim 11, wherein the adhesive material is laid down in a strip on a release paper which is subsequently applied to the surface of the foam.

14. (Currently Amended) The process ~~of claim 11~~ defined in Claim 11, wherein the adhesive material is laid down in a strip continuously on a rotating transfer roller which is in contact with the surface of the foam.

15. (Currently Amended) The process ~~of any one of claims 11 to 14~~ defined in Claim 11, wherein a gas, preferably nitrogen is injected into the adhesive material.